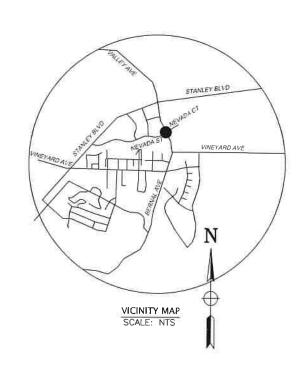
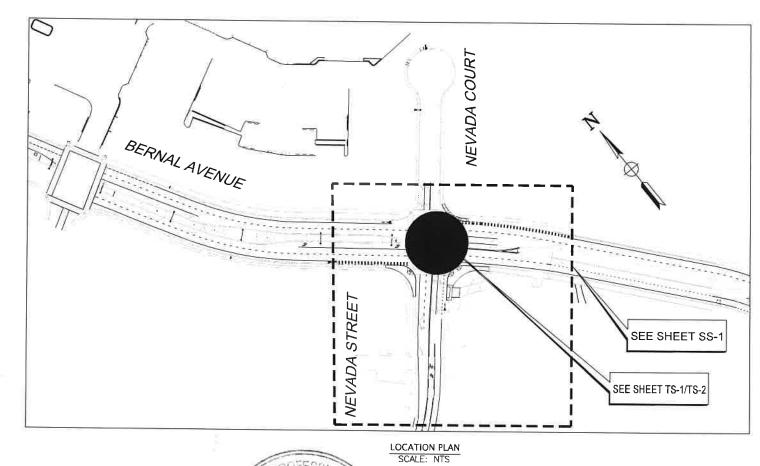


CITY OF PLEASANTON TRAFFIC SIGNAL INSTALLATION AT NEVADA STREET AND BERNAL AVENUE CIP# 17532

SH	EE.	T IN	IDE	EX

No.	DRAWING	DESCRIPTION
1	T-1	TITLE SHEET AND LOCATION MAP
2	C1	CIVIL DESIGN IMPROVEMENT PLAN
3	C2	STANDARD DETAILS
4	C3	STANDARD DETAILS
5	C4	STANDARD DETAILS
6	C5	POLLUTION PREVENTION
7	TS-1	TRAFFIC SIGNAL INSTALLATION
8	TS-2	CONDUCTOR AND EQUIPMENT SCHEDULE
9	SS-1	SIGNING AND STRIPING PLAN









CITY OF PLEASANTON

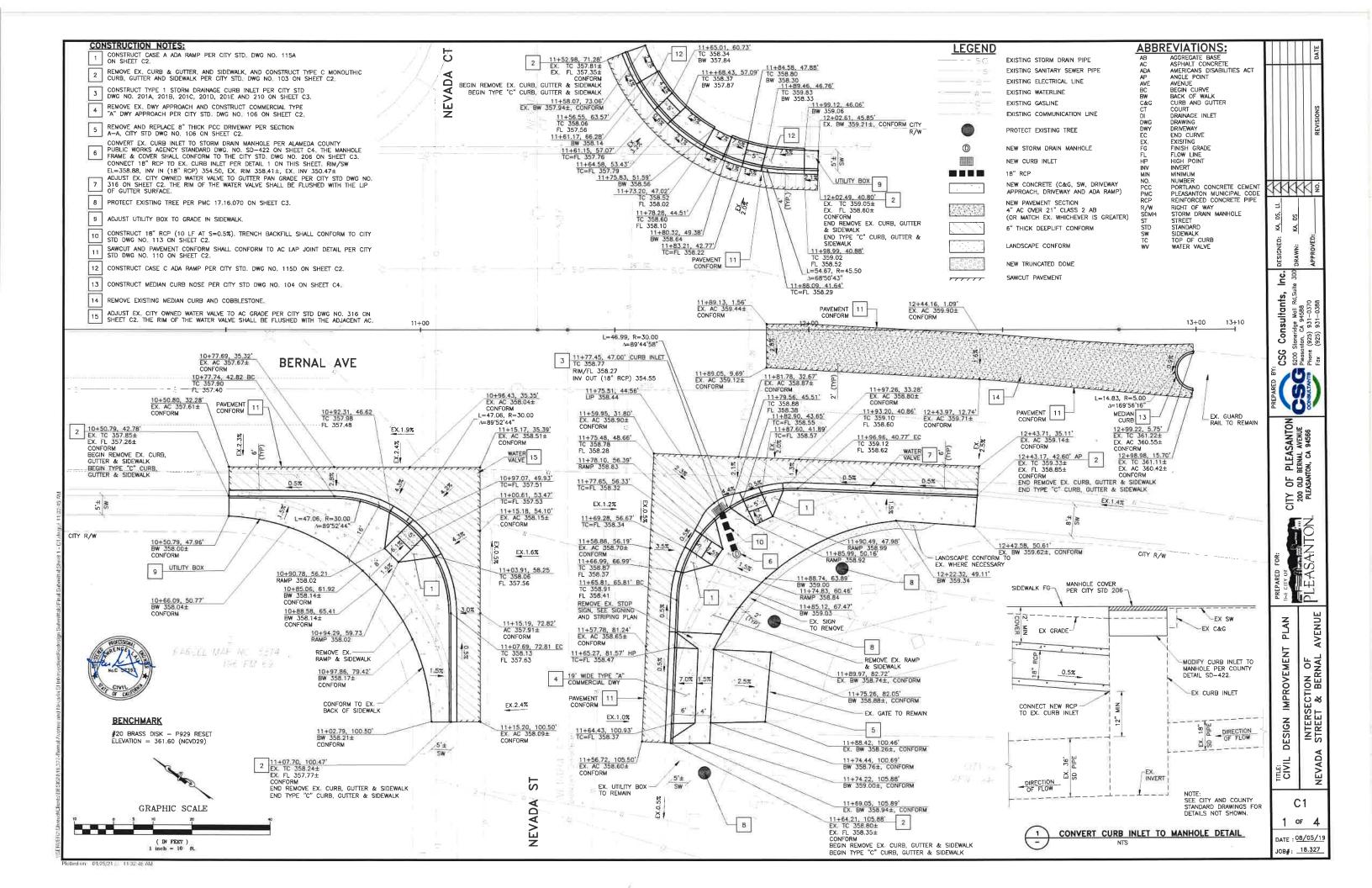
NEVADA STREET AT BERNAL AVENUE

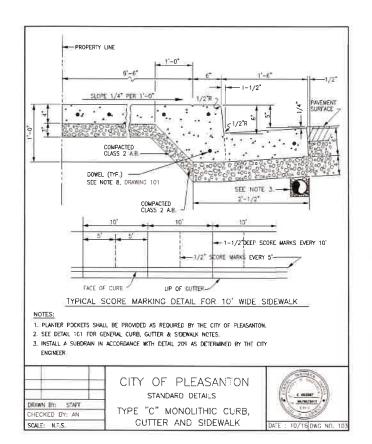
TITLE SHEET

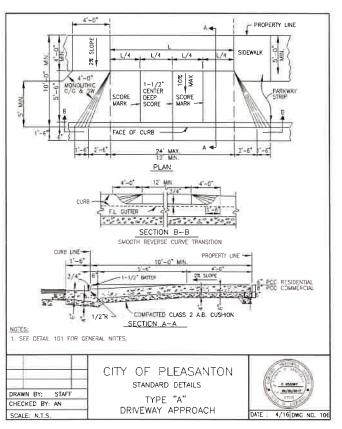
DRAWING NO. 13-538

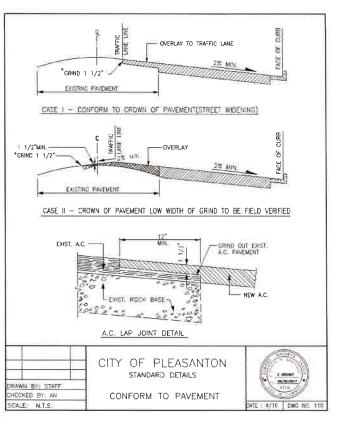
DATE: JANUARY 2021 SCALE: N/A

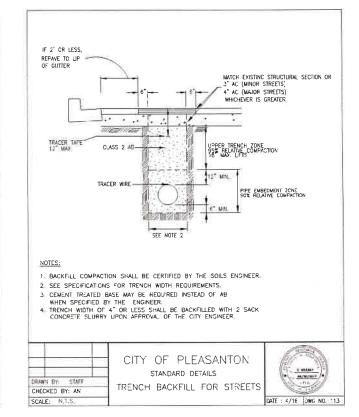
SHEET T-1 OF 9
PROJECT NO. 13-53

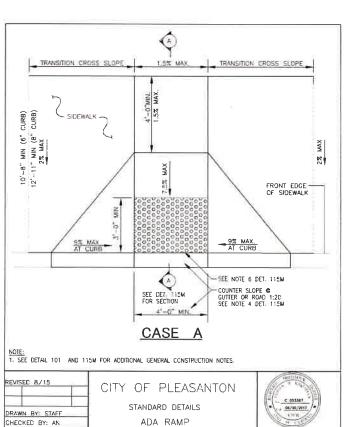




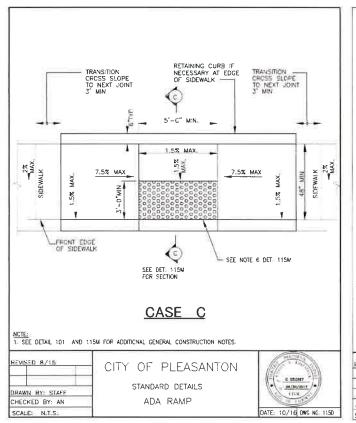


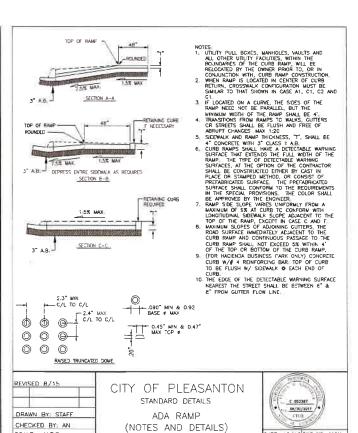


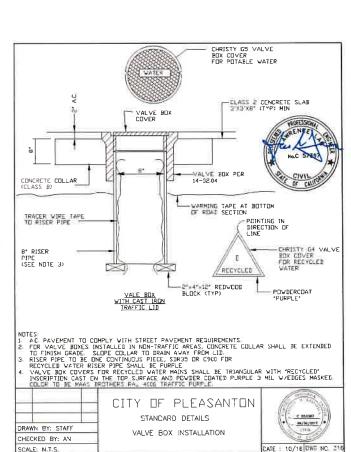




DATE: 8/15 | DWC NO 115A









AVENUE ION OF BERNAL INTERSECTION STREET & E NEVADA

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C2 2 of 4

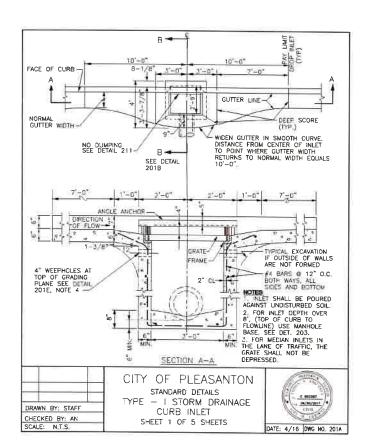
DATE: 08/05/19 JOB#: <u>18.327</u>

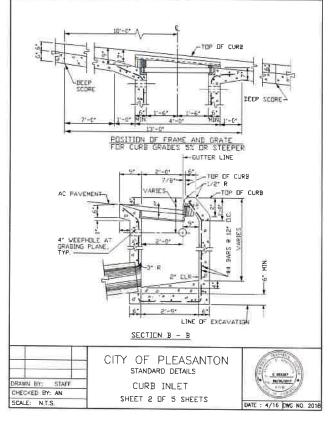
SCALE: N.T.S.

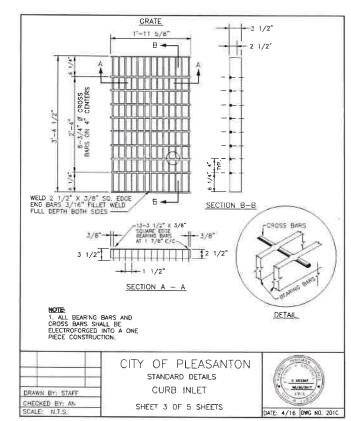
17.16.070 PROTECTION OF EXISTING TREES.

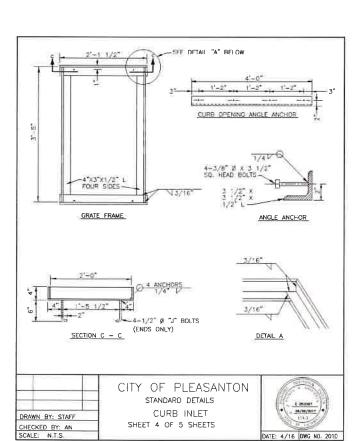
ALL PERSONS SHALL COMPLY WITH THE FOLLOWING PRECAUTIONS:

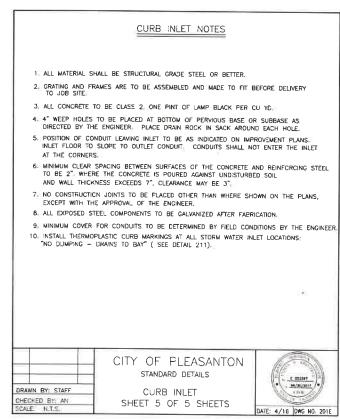
- PRIOR TO THE COMMENCEMENT OF CONSTRUCTION, INSTALL A STURDY FENCE AT THE DRIPLINE OF ANY TREE WHICH WILL BE AFFECTED BY THE CONSTRUCTION AND PROHIBIT ANY STORAGE OF CONSTRUCTION MATERIALS OR OTHER MATERIALS INSIDE THE FENCE, THE DRIPLINE SHALL NOT BE ALTERED IN ANY WAY SO AS TO INCREASE THE ENCROACHMENT OF THE
- PROHIBIT EXCAVATION, GRADING, DRAINAGE AND LEVELING WITHIN THE DRIPLINE OF THE TREE UNLESS APPROVED BY THE DIRECTOR,
- PROHIBIT DISPOSAL OR DEPOSITING OF OIL, GASOLINE, CHEMICALS OR OTHER HARMFUL MATERIALS WITHIN THE DRIPLINE OR IN DRAINAGE DRIPLINE OR IN DRAINAGE CHANNELS, SWALES OR AREAS THAT MAY LEAD TO THE DRIPLINE.
- PROHIBIT THE ATTACHMENT OF WIRES, SIGNS AND ROPES TO ANY HERITAGE
- DESIGN UTILITY SERVICES AND IRRIGATION LINES TO BE LOCATED OUTSIDE
- RETAIN THE SERVICES OF A CERTIFIED CONSULTING ARBORIST FOR PERIODIC MONITORING OF THE PROJECT SITE AND THE HEALTH OF THOSE TREES TO BE PRESERVED. THE CERTIFIED CONSULTING ARBORIST SHALL BE PRESENT WHENEVER ACTIVITIES OCCUR WHICH POSE A POTENTIAL THREAT TO THE HEALTH OF THE TREES TO BE PRESERVED (FOR EXAMPLE, WHEN WORK OCCURS WITHIN THE DRIPLINE OF TREES TO BE PRESERVED).
- THE DIRECTOR SHALL BE NOTIFIED OF ANY DAMAGE THAT OCCURS TO A TREE DURING CONSTRUCTION SO THAT PROPER TREATMENT MAY BE ADMINISTERED, (ORD. 2165 § 1, 2017; ORD, 1737 § 1, 1998)

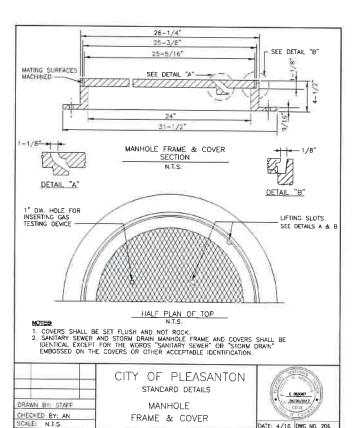


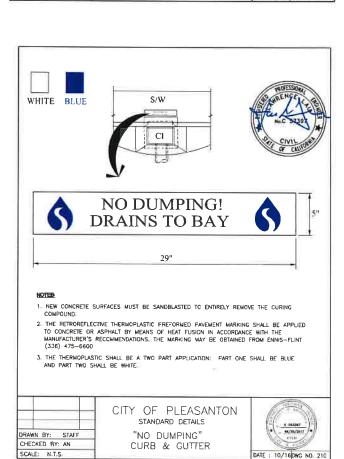


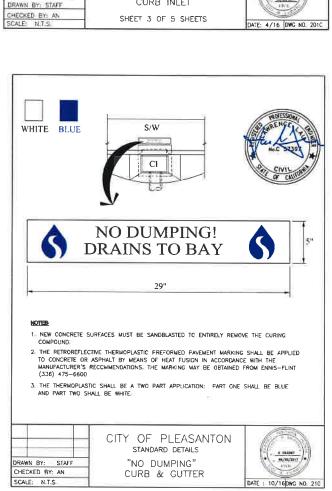












affection: 01/25/21 (d. 11:38:46 A)

Inc. 300 Consultants, Stoneridge Mall Rd,Suil nton, CA 94588 (925) 931-0370

CSG 6200 S Pleason Phone

PLEASANTON BERNAL AVENUE ITON, CA 94566 유용장 CIT 288 PE

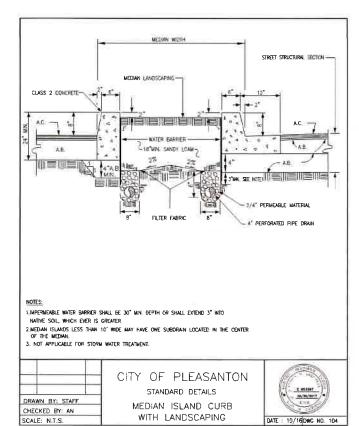
DETAIL 10N BER

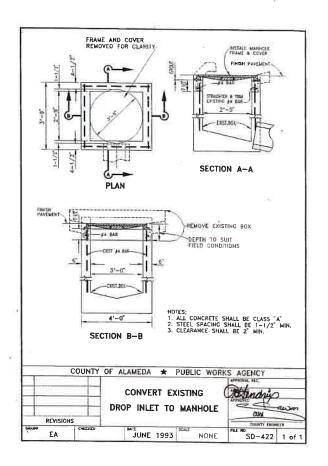
INTERSECT STREET & STANDARD

3 of 4 DATE: 08/05/19

JOB#: 18.327

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KA, 05, 11 CSG Consultants, Inc. Discovering Mail Rel. Suite 300 Discovering Mail Rel. Suite 300 Discovering Phone (295) 931-0370 Air cons. Suit cons. PLEASANTON BERNAL AVENUE NTON, CA 94566 CITY OF 200 OLD B PLEASANTO STANDARD DETAILS INTERSECTION OF STREET & BERNAL C4

4 OF 4

DATE: 08/05/19

JOB#: 18.327

✓ Sand, dirt, and similar materials must be stored at least 10 feet from catch basins, and covered with a tarp during wet weather or when rain is forecast.

✓ Use (but don't overuse) reclaimed water for dust control as needed. > Sweep or vacuum streets and other paved areas daily. Do not wash down streets

or work areas with water!

✓ Recycle all asphalt, concrete, and aggregate base material from demolition Comply with City Ordinance for recycling construction materials, wood, gyp board,

Contact Pleasanton Garbage Service at 925-846-2042 for both recycling and debris

▶*Check dumpsters regularly for leaks and to make sure they don't overflow Repair or replace leaking dumpsters promptly.

Hazardous materials management

Label all hazardous materials and hazardous wastes (such as pesticides, paints, thinners, solvents, fuel, oil, and antifreeze) in accordance with city, state, and federal regulations.

✓ Store hazardous materials and wastes in secondary containment and cover

Follow manufacturer's application instructions for hazardous materials and be careful not to use more than necessary, Do not apply chemicals outdoors when rain is forecast within 24 hours.

▶ Be sure to arrange for appropriate disposal of all hazardous wastes.

Spill prevention and control

 ✓ Keep a stockpile of spill cleanup materials (rags, absorbents, etc.) available at the construction site at all times

When spills or leaks occur, contain them immediately and be particularly careful to prevent leaks and spills from reaching the autter, street, or storm drain, Never wash spilled material into a gutter, street, storm drain, or creek! Report any hazardous materials spills immediately! Dial 911 of

the Livermore/Pleasanton Fire Department at 925-454-2330.

Pollution Prevention - It's Part of the Plan

Make sure your crews and subs do the job right!

Runoff from streets and other paved areas are a major source of pollution in San Francisco Bay. Construction activities can directly affect the health of the Bay unless contractors and crews plan ahead to keep dirt, debris, and other construction waste away from strom drains and local creeks. Following these guidelines will ensure your compliance with the City of Pleasanton requirements. Contact the City of Pleasanton, Department of Engineering at (925) 931-5650, or for private onsite work, please contact the Building and Safety Division at (925) 931-5300.

Vehicle and equipment maintenance & cleaning

✓ Inspect vehicles and equipment for leaks

frequently. Use drip pans to catch leaks until repairs are made; repair leaks

Fuel and maintain vehicles on site only in a bermed area or over a drip pan that

is big enough to prevent runoff. ✓ If you must clean vehicles or equipment on site, clean with water only in a bermed area that will not allow

rinse water to run into gutters, streets, storm drains, or creeks.

✓ Do not clean vehicles or equipment on-site using soaps, solvents, degreasers, steam cleaning equipment, etc.



Earthwork & contaminated soils

✓ Keep excavated soil on the site where it is least likely to collect in the street Transfer to dump trucks should take place on the site, not in the street. ✓ Use fiber rolls, silt fences, or other control measures to minimize the flow of silt off the site. See the approved erosion control plan for this site.



 ► Earth moving activities are only allowed during dry weather by permit and as approved by the City Inspector in the Field. Mature vegetation is the best form of erosion control. Minimize disturbance to existing vegetation whenever possible ✓ If you disturb a slope during construction. prevent erosion by securing the soil with erosion control fabric, or seed with fastgrowing grasses as soon as possible. Place fiber rolls down-slope until soil is secure:

✓ If you suspect contamination (from site history, discoloration, odor, texture, abandoned underground tanks or pipes, or buried debris), call Pleasanton/Livermore Fire Department at 925-454-2330 or the Regional Water Quality Control Board for help in determining what should be done, and manage disposal of contaminated soil according to their instructions

Dewatering operations

Reuse water for dust control, irrigation or another on—site purpose to the greatest

extent possible.

▶ Be sure to call Pleasanton's storm drain source c inspector, Brian Lorimer, before discharging water to a

street, gutter, or storm drain (925-931-5511). Filtration or diversion through a basin, tank, or sediment trap may be required.

✓ In greas of known contamination, testing is required prior to reuse or discharge of groundwater. Consult with the city inspector to determine what testing is required and how to interpret results, Contaminated groundwater must be treated or hauled off-site for proper disposal.

Saw cuttina

- Always completely cover or barricade storm drain inlets when saw cutting. Use

filter fabric, catch basin inlet filters, or sand/gravel bags to keep slurry out of the storm drain system

ሥ Shovel, absorb, or vacuum saw—cut slurry and pick up all waste as soon as you gre finished in one location or at the end of each work day (whichever is

▶ If saw cut slurry enters a catch basin, clean it up immediately.

Paving/asphalt work

▶ Do not pave during wet weather or when

- Always cover storm drain inlets and manholes when paying or applying seal coat. tack coat, slurry seal, or fog seal. Place drip pans or absorbent material under pavina equipment when not in use. Protect gutters, ditches, and drainage courses with sand/gravel bags, or earthen

✓Do not sweep or wash down excess sand from sand sealing into gutters, storm drains, or creeks. Collect sand and return it to the stockpile, or dispose of it as trash

▶ Do not use water to wash down fresh asphalt concrete pavement.

Concrete, grout, and mortar storage & waste disposal

Be sure to store concrete, grout, and mortar under cover and away from drainage areas. These materials must never reach a storm drain.

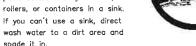
Wash out concrete equipment/trucks off-site or designate an on-site area for washing where water will flow onto dirt or into a temporary pit in a dirt area. Let the water seep into the soil and dispose of hardened concrete with trash, ✓ Divert water from washing.

exposed aggregate concrete to a dirt area where it will not run into a autter, street or storm drain.

✓ If a suitable dirt area is not available, collect the wash water and remove it for appropriate disposal off site.

Painting

✓ Never rinse paint brushes or materials in a autter or street! ✓ Paint out excess water—based paint before rinsing brushes, rollers, or containers in a sink If you can't use a sink, direct



▶ Paint out excess oil-based paint before cleaning brushes

Filter paint thinners and solvents for reuse whenever possible. Dispose of oil-based paint sludge and unusable thinner as hazardous waste

Storm drain polluters maybe liable for fines of \$10,000 or more per day!





For more detailed information: Get a copy of the "Field Manual" -- (510) 622-2465 or www.abag.ca.gov/bayarea/sfep/reports/construction.html



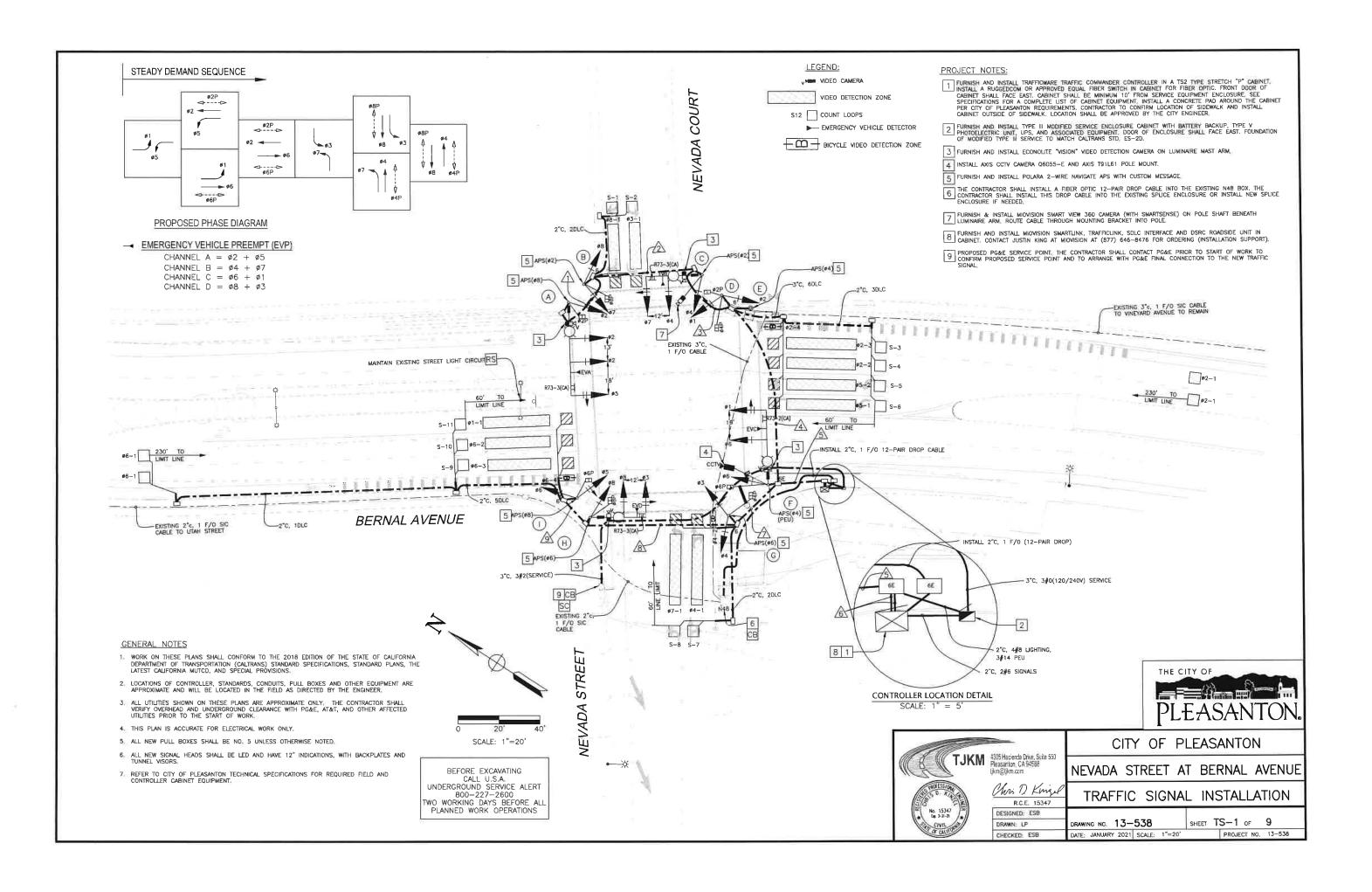
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PREVENTION POLLUTION

> C5 5 of 4

DATE: 08/05/1 JOB#: 18.327



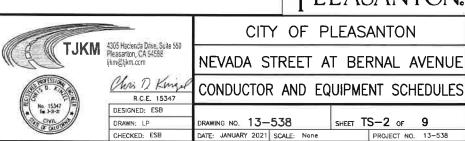
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	TOTAL No. 14	16	26	29	36	68	61	29	26	14		
NO	SIGNAL NEUTRAL	1	1	1	1	2	1	1	1	1		
NO. 8	LUMINAIRE	2	2	2	2	4		2	2			
0	TOTAL No. 8	3	3	3	3	6	1	3	3	1		
_	CCTV VIDEO/POWER (CATSE)					1	1					
	VIDEO DETECTION	1	1	2	2	4	4	1	1			
VIDEO	MIOVISION			1	1	1	1					
	TOTAL CABLES	1	1	3	3	6	6	1	1			
	ø1					1	1	1	1	1		
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Ì	S-1 & S-2		2	2	2	2	2					
	S-3,S-4,S-5,&S-6				4	4	4					
	S-7 & S-8					2	2	2				
	S-9, S-10,&S-11					3	3	3	3	3		
	TOTAL DLC		4	4	14	27	27	13	8	8		
	EVA (ø2 + ø5)	1	1	1	1	1	1					
Θπ [EVB (ø4 + ø7)			1	1	1	1					
등학	EVC (Ø6 + Ø1)					1	1					
OPTICOM	EVD (Ø8 + Ø3)					1	1	1	1			
	TOTAL CABLES	1	1	2	2	4	4	1	1			
	CONDUIT SIZE	4"	4"	4"	4"	2-4"	2-4"	4"	4"	4		
	CONDUIT FILL								- 7	8%		

		STANDARD	,		EQUIP			-				
No.	Туре	Sig. M.A.		VEH S Mast Arm	Pole	PEL	SIGNAL MTG		APS	LED* LUMINAIRE	SPECIAL REQUIREMENTS	
A	29-5-100	50	15'	MAS MAS	SV-1-T	2		8	LEFT	100W	FURNISH AND INSTALL VIDEO DETECTION CAMERA ON LMA, OPTICOM CHANNEL "A", R73—3(CA) SIGN, AND LED—SNS "NEVADA CT" ON SMA.	
$^{\otimes}$	1-B	-	98	*	TV-2-T	8	SP-1-T	2	RIGHT	4 :	41	
0	19-4-100	30'	15"	MAS MAS	SV-1-T	-	en e	2	LEFT	100W	FURNISH AND INSTALL VIDEO DETECTION CAMERA ON LMA, OPTICOM CHANNEL "B", R73—3(CA) SIGN, AND LED—SNS "BERNAL AVE" ON SMA. FURNISH AND INSTALL MIOVISION SMARTVIEW 360 CAMERA ON POLE.	
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F	26-4-100	40'	15'	MAS MAS	SV-1-T	6	SP-1-T	4	LEFT	100W	FURNISH AND INSTALL VIDEO DETECTION CAMERA ON LMA, OPTICOM CHANNEL "C", R73-2(CA) SIGN AND LED-SNS "NEVADA ST" ON SMA FURNISH AND INSTALI CCTV, "AXIS", ON POLE	
<u>©</u>	1-B	æ	i ক	70 %	TV-2-T	4	SP-1-T	6	RIGHT	7-		
Θ	19-4-100	30*	15'	MAS MAS	SV-1-T	8	SP-1-T	6	LEFT	100W	FURNISH AND INSTALL VIDEO DETECTION CAMERA ON LMA, OPTICOM CHANNEL "D", R73—3(CA) SIGN, AND LED—SNS "BERNAL AVE" ON SMA.	
1	1-8	: 	→ 2:	-	TV-2-T	6	SP-1-T	8	RIGHT	428		

NOTES



BEFORE EXCAVATING
CALL U.S.A.
UNDERGROUND SERVICE ALERT
BOO—227—2600
TWO WORKING DAYS BEFORE ALL
PLANNED WORK OPERATIONS



^{*} LUMINAIRES SHALL BE GE EVOLVE LED ERLI-0-09-63-40-A-GRAY-L

